

SECOND
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STATEMENT BY APPLICANT

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Sheet 1 of 1

Application Number	10/782,634
Filing Date	February 18, 2004
First Named Inventor	Christopher J. Freitas et al.
Examiner Name	David Silver
Attorney Docket No.	T-6264

MAR 29 2007

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
DS	Ashgriz, N. and Poo, J. Y., 1991, FLAIR: Flux line-segment model for advection and interface reconstruction. Journal of Computational Physics, Vol. 93, p. 449-468.
DS	Daly, B. J., 1969, A technique for including surface tension effects in hydrodynamic calculations. Journal of Computational Physics, Vol. 4, p. 97-117.
DS	Freitas, C. J., 1986, Nonlinear transient phenomena in a three-dimensional cavity flow: A numerical investigation. PhD dissertation, Stanford University. With Abstract
DS	Freitas, C.J., 1988, Non-linear transient phenomena in a complex recirculating flow: a numerical investigation. International Journal for Numerical Methods in Fluids, Vol. 8, p.769-802.
DS	Harlow, F. H. and Welch, J. E., 1965, Numerical calculation of time-dependent viscous incompressible flow of fluid with free surface. Physics of Fluids, Vol. 8(12), p. 2182-2189.
DS	LaFaurie, B., Nardone, C., Scardovelli, R., Zaleski, S., and Zanetti, G., 1994, Modeling merging and fragmentation in multiphase flows with SURFER. Journal of Computational Physics, Vol. 113, p. 134-147.
DS	Nichols, B. D. and Hirt, C. W., 1973, Calculating three-dimensional free surface flows in the vicinity of submerged and exposed structures. Journal of Computational Physics, Vol.12, p. 234-246.
DS	Noh, W. F. and Woodward, P., 1976, SLIC (Simple Line Interface Calculations). Lecture Notes in Physics, Vol. 59, p. 330-340.
DS	Osher, S. and Sethian, J. A., 1988, Fronts propagating with curvature-dependant speed: algorithms based on Hamilton-Jacobi formulations. Journal of Computational Physics, Vol. 79, p.12-49.
DS	Rhee, H. S., Koseff, J. R., and Street, R. L., 1984, Flow visualization of a recirculating flow by rheoscopic liquid and liquid crystal technique. Experiments in Fluids, p. 57-64.
	Sethian, J. A., 1996, Level set methods: Evolving interfaces in geometry, fluid mechanics, computer vision and materials sciences. Cambridge University Press.
DS	Sussman, M., Smereka, P. and Osher, S., 1994, A level set approach for computing solutions to incompressible two-phase flow. Journal of Computational Physics, Vol. 114, p.146-159.
DS	Takizawa, A., Koshizuka, S., and Kondo, S., 1992, Generalization of physical component boundary fitted co-ordinate (PCBFC) method for the analysis of free-surface flow. International Journal of Numerical Methods in Fluids, Vol. 15, p. 1213-1237.
DS	Tomiya, A., Nakahara, Y., and Abe, S., 2002, An interface tracking method based on volume tracking in embedded micro cells. Proceedings of ASME FEDSM'02, AMSE 2002 Fluids Engineering Division Summer Meeting, Montreal, Quebec, Canada, FEDSM2002-31147, p. 1-6.
DS	Youngs, D. L., 1982, Time-dependent multi-material flow with large fluid distortion. (in) Morton, K. W. and Baines, M. J. (eds) Numerical Methods for fluid dynamics. London: Academic Press. p. 273-285.

Examiner Signature

David Silver

Date Considered

5/15/2007

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